

SEQUENCE LISTING

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<120> MELUSIN, A MUSCLE SPECIFIC PROTEIN, AS A DRUG TARGET FOR PREVENTION
AND TREATMENT OF HEART FAILURE

<130> 4636-25 / BUS5222-CF

<140> US 10/538,736
<141> 2005-08-11

<150> PCT/IT2002/000807
<151> 2002-12-19

<160> 2

<170> MS Word

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<212> PRT
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35 40 45

Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Val Gly Leu His
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Cys Ala Glu Lys Leu Pro Glu Val Pro Pro Gln Pro Glu Gly Pro Ala
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Ala Glu Thr Leu Phe Arg Glu Arg Pro Lys Ser Glu Met Pro Pro Lys
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Leu Leu Pro Leu Leu Ile Ser Gln Ala Leu Gly Val Ala Leu Glu Gln
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Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Asn Ser Leu Ile
 130 135 140
 Trp Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln
 145 150 155 160
 Gly Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro
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 Arg Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr
 180 185 190
 Leu Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg
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 His Asp Trp Ala Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His
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 Gln Thr Asp Ser Val Val Val Leu Thr Val Tyr Gly Gln Ile Pro Leu
 225 230 235 240
 Pro Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His
 245 250 255
 Ile Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp
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 Gly Val Ile Asn Val Glu Gln Ser Ser Val Ser Leu Met Pro Ser Arg
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 Val Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu
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 Glu His Pro Asp Ser Leu Ala Glu Lys Ala Arg Ala Gly Val Leu Leu
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 Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val
 35 40 45

Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Met Gly Pro His
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 Cys Ala Glu Lys Leu Pro Glu Ala Pro Gln Pro Glu Gly Pro Ala Thr
 65 70 75
 Ser Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Val Ile Pro Lys Ser
 85 90 95
 Ala Glu Thr Leu Arg Arg Glu Arg Pro Lys Ser Glu Leu Pro Leu Lys
 100 105 110
 Leu Leu Pro Leu Asn Ile Ser Gln Ala Leu Glu Met Ala Leu Glu Gln
 115 120 125
 Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Ser Leu Ile Arg
 130 135 140
 Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln Gly
 145 150 155 160
 Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro Arg
 165 170 175
 Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr Leu
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 Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg His
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 Asp Trp Gly Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His Gln
 210 215 220
 Thr Asp Ser Leu Val Val Val Thr Val Tyr Gly Gln Ile Pro Leu Pro
 225 230 235 240
 Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His Ile
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 Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp Gly
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 Val Ile Asn Val Glu Gln Ser Ser Val Phe Leu Met Pro Ser Arg Val
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 Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu Glu
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 His Pro Asp Ala Leu Ala Lys Lys Ala Arg Ala Gly Val Val Leu Glu
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 Met Asp Glu Glu Glu Ser Asp Asp Ser Asp Asp Asp Leu Ser Trp Thr
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